

Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 500.30304C15  
Serial No. (not yet assigned)  
Applicant: H. ARAI, et al  
Filing Date: on even date herewith  
Group:

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
-------------------	--------------	------	------	----------------	------------------------

T.D 5,267,094 11/93 Aoki

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
--------------	------	---------	----------------	-----------------------

T.D 64-73560 3/89 Japan — — X  
T.D 2-108279 4/90 Japan — — X

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

TAN DINH

Date Considered

10/30/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next  
communication to applicant.

Form PTO-1449  
Equivalent

S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 500.30304C15  
Serial No. (not yet assigned)  
Applicant: H. ARAI, et al  
Filing Date: on even date  
Group: Unassigned

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
T.D	4,378,593	03/83	Yamamoto		
	4,542,417	9/85	Ohta		
	4,542,419	9/85	Morio et al		
	4,544,958	10/85	Odaka		
	4,849,812	7/89	Borgers et al.		
	4,862,292	8/89	Enari et al.		
	4,972,417	11/90	Sako et al		
	4,975,771	12/90	Kassatly		
	5,010,391	4/91	Shimokoriyama et al		
	5,023,710	6/91	Kondo et al.		
	5,032,927	7/91	Watanabe et al.		
	5,070,503	12/91	Shikakura		
	5,065,259	11/91	Kubota et al		
	5,128,758	7/92	Azadegan et al.		
	5,132,781	7/92	Shimokoriyama et al		
	5,136,641	8/92	Gysel		
	5,257,107	10/93	Hwang et al		
	5,335,116	8/94	Onishi et al		
	5,377,050	12/94	Yun		
	5,440,432	8/95	Aoki		
	5,491,481	2/96	Akagiri		
	5,572,331	11/96	Yu		
	5,585,933	12/96	Ichige et al		
	5,590,108	12/96	Mitsuno et al		
	5,742,444	4/98	Ozue		
	5,761,642	6/98	Suzuki et al.		
	5,808,750	9/98	Yang et al		
	5,818,652	10/98	Ozaki et al		
	5,844,736	12/98	Fukuda et al		
	5,872,885	2/99	Park et al		
	5,875,279	2/99	Owashi et al		
	5,878,188	3/99	Amada et al		
	5,889,921	3/99	Sugiyama et al		
T.D	6,049,517	4/00	Tsutsui		

Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 500.30304C15  
Serial No. (not yet assigned)  
Applicant: H. ARAI, et al  
Filing Date: on even date  
Group: Unassigned

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation
				Yes No
T.D	61-152180	7/86	Japan	
	63-175266	7/88	Japan	
	64-73560	3/89	Japan	
	64-89878	4/89	Japan	
	2-14619	1/90	Japan	
	1-114176	5/89	Japan	
	1-125186	5/89	Japan	
	1-276470	11/89	Japan	
	90655/90	5/99	Japan	
	105643/97	6/99	Japan	
T.D	163728/97	6/99	Japan	

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Kubota, S. et al., "A Compact Spectrum and Interference-resistant Digital Video Transmission System", IEEE Global Telecommunications Conference & Exhibition, Vol. 3, pp. 1729-1734, 1989.

Examiner

TAN DINH

Date Considered

10/30/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 500.30304C15  
Serial No. 10/734,302  
Applicant: H. ARAI et al.  
Filing Date: December 15, 2003  
Group: 2651



U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
T.D	4,825,305	04-25-1989	ITOH et al.	(corresponds to JP 63-032767)	

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
T.D	63-028143	02-05-1988	Japan	Abstract
	63-032767	02-12-1988	Japan	Abstract
	62-252288	11-04-1987	Japan	Abstract
T.D	64-082711	03-28-1989	Japan	Abstract
	64-060171	03-07-1989	Japan	Abstract

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

TAN DINH

Date Considered

10/30/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.